

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 770933-, Fulton County **OFFICE** Preconstruction  
CM-00SW(4)  
Holcomb Bridge Road from Old Holcomb Bridge Road  
To East of SR 400 **DATE** April 5, 2007

**FROM** *Cybil Hunt* Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** *ra* SEE DISTRIBUTION

**SUBJECT** APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers  
Harvey Keepler  
Ken Thompson  
Jamie Simpson  
Michael Henry  
Keith Golden  
Angela Alexander (file copy)  
Babs Abubakar  
Bryant Poole  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE:** CM-00SW(4), Fulton County  
P.I. Number 770933-  
Holcomb Bridge Road from Old Holcombe Bridge Rd to east of S.R. 400

**OFFICE:** District 7/Chamblee/Metro

**DATE:** March 12, 2007

**FROM:** *AQS for*  
Bryant Poole, District Seven Engineer

**TO:** Genetha Rice-Singleton, Assistant Director of Preconstruction

MAR 13 2007

**SUBJECT:** *PROJECT CONCEPT REPORT - REVISED*

Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The typical section for this project would remain the same as described in the approved concept report, but with the following exceptions: Instead of constructing 5-foot sidewalks on both sides of Holcomb Bridge Road from Old Holcomb Bridge Road to Dogwood Road, only one 5-foot sidewalk will be constructed on the south side of that area. This scope revision would require widening the bridge over Big Creek only on the south side of Old Holcomb Bridge Road. It is estimated that at least 70% of the construction cost associated with this project is related to bridge improvements; therefore, any reduction in the scope of the bridge improvements will significantly reduce construction costs.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE *3/16/07*

*Angela S. Alexander*  
State Transportation Planning Administrator

cc: Brian Summers, State Project Review Engineer  
Harvey Keeper, State Environment/Location Engineer  
Keith Golden, State Traffic Safety and Design Engineer  
Angela Alexander, State Transportation Planning Administrator  
Jamie Simpson, State Transportation Financial Management Administrator  
Paul Liles, State Bridge Design Engineer

## REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** The purpose of this project is to mitigate congestion by reducing vehicle trips and providing linkage to MARTA. The proposed project would improve pedestrian traffic along Holcomb Bridge Road. The proposed facility will provide access to the large commercial concentration along Holcomb Bridge Road. It will also provide safe pedestrian and bicycle access for MARTA riders and others in the area to the Chattahoochee River and adjoining recreational facilities.

**Project Location:** Holcomb Bridge Sidewalks (CM-OOSW (4) Fulton County, P.I. 770933 consists of adding 5-foot sidewalks, 2 feet behind the back of the existing curb, on both sides of Holcomb Bridge Road between Old Holcomb Bridge Road and the SB ramps to GA 400.

Approximate Sidewalk Length = 4,514'  
Roadway Length = 2,597' = 0.49 miles

Total Project Length: 0.49 miles

**Description of the approved concept:** This project is the construction of sidewalks on both sides of SR 140/Holcombe Bridge Road between Old Holcombe Bridge Road and the southbound ramps of SR 400 for a total of 0.49 mile. This project will provide access for pedestrians to area businesses, MARTA, the Chattahoochee River, and other adjoining recreational facilities.

The construction proposes to add 5' sidewalks 2' behind the back of the existing curb on both sides of Holcombe Bridge Road between the above mentioned limits. At the Holcombe Bridge Road Bridge over Big Creek, a pedestrian bridge will be constructed on both sides of the existing bridge (Alternative 2). ADA-approved wheelchair ramps will be installed at all intersections and driveways. Erosion control protection and regrassing and landscaping of all disturbed areas with permanent seed and plants appropriate to the season is included in the project. Traffic will be maintained during construction.

**PDP Classification:** Major \_\_\_\_\_ Minor   X  

**Federal Oversight:** Full Oversight ( ), Exempt (X), State Funded ( ), or Other ( )

**Functional Classification:** Principal Arterial

**U.S. Route Number(s):**

**State Route Number(s):** SR 141

**Traffic (AADT) as shown in the approved concept:**

Current Year: 73,250 (1998)

Design Year: 92,087 (2021)

**Proposed features to be revised:** The revised project concept will only apply to the approved typical section, described below. The revised concept will not change project termini, changes in right-of-way limits, revised alignment, access control or controlling criteria.

- Typical Section – As approved, the proposed typical section for this project includes adding 5-foot sidewalks, 2 feet behind the back of the existing curb, on both sides of Holcomb Bridge Road. On the south side of Holcomb Bridge Road from approximately station 26+00 to station 33+50 the typical section is altered due to existing cut slope. In



this area 6' sidewalk will be constructed adjacent to the back of the existing curb.  
Existing guardrail adjacent to the bridge over Big Creek will be removed and replaced.  
All existing sidewalk within the project limits will be removed and replaced.

**Describe the revised feature to be approved:** The typical section for this project would remain the same as described in the concept report, but with the following exceptions: Instead of construction 5-foot sidewalks on both sides of the Holcomb Bridge Road from Old Holcomb Bridge Road to Dogwood Road, only one 5-foot sidewalk will be constructed on the south side of Holcomb Bridge Road from Old Holcomb Bridge Road to Dogwood Road. This scope revision would only require widening the bridge over Big Creek on the south side of the roadway, instead of both sides. At least 70% of the construction cost associated with this project is related to bridge improvements, so any reduction in the scope of the bridge improvements equates to significant reduction in project construction cost.

As an alternative for walking along the north side of Holcomb Bridge Road, pedestrians will be redirected to take a parallel route on existing sidewalks along Old Holcomb Bridge Road and Dogwood Road, see attached drawing. The parallel route along Old Holcomb Bridge Road/Dogwood Road is approximately 2400' in length, or twice that a direct route along the north side of Holcomb Bridge Road which is approximately 1200' in length. Under this revised concept, pedestrians will also have the option of crossing Holcomb Bridge Road within the crosswalks at the intersections of Old Holcomb Bridge Road or Dogwood Road and crossing Big Creek on the south side of the roadway.

**Updated traffic data (AADT):**

Current Year: 43,360 (2004)

Design Year: 92,087 (2021)

**Programmed/Schedule:** Scheduled to be let to construction in August 2007 (FY2008). The right-of-way phase is currently underway with 2 of the 7 parcels under options.

**VE Study Required:** Yes ( ) No (X)

**Revised cost estimate:** See attachment

**Is the project in a Non-attainment area?**  X  Yes   No

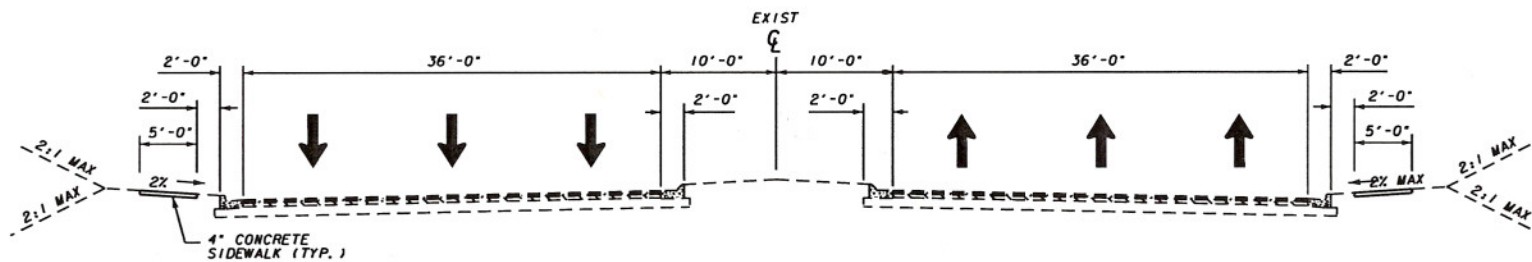
This project does not propose to add capacity; therefore it conforms to the Regional Transportation Plan.

**Recommendation:** The District 7 Office of Preconstruction recommends that the revision to the concept for this project be approved.

Attachments:  
Revised Cost Estimate  
Location Sketch  
Typical Sections

Concur:   
Director of Preconstruction

Approve:   
Chief Engineer



NO SIDEWALK REQUIRED ON LEFT  
STA. 13+70.50 TO STA. 25+70.00

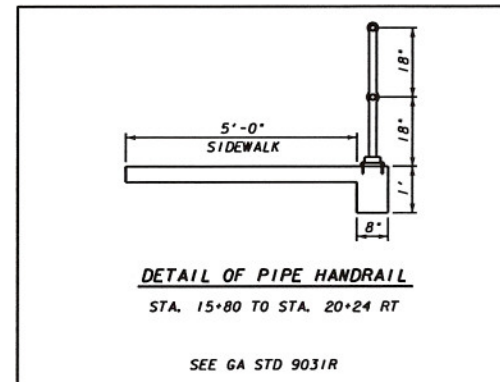
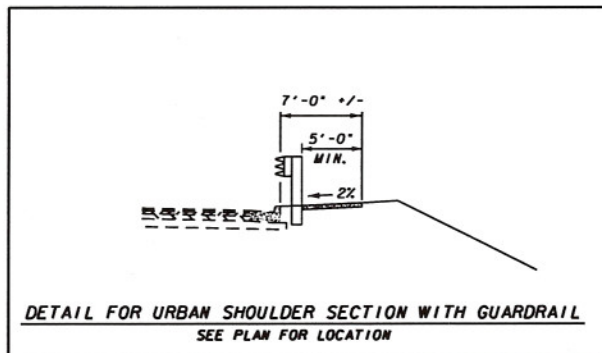
**TYPICAL SECTION**  
STA. 13+70.50 TO STA. 36+40.00

• SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-6'	0-10'
3:1	6'-10'	--
2:1	OVER 10'	OVER 10'

• UNLESS OTHERWISE NOTED  
ON CROSS SECTIONS

**NOTE:**

1. MINOR SLOPE GRADING WILL BE REQUIRED.
2. ALL 2:1 FILL SLOPES GREATER THAN 10 FEET IN HEIGHT REQUIRE GUARDRAIL.
3. SEE BENCHING DETAIL S-7 FOR BRIDGE ENDROLLS.
4. CURB & GUTTER WILL BE RECONSTRUCTED TO MATCH EXISTING WHICH IS MAINLY 2'-0".



SCALE 1"=5'  
SCALE IN FEET

DATE	REVISIONS	DATE	REVISIONS

**KCA** KISINGER CAMPO & ASSOCIATES CORP.  
1720 PEACHTREE ST., N.W., SUITE 1040  
ATLANTA, GA 30309

**CITY OF ROSWELL**  
TRANSPORTATION DEPARTMENT  
**TYPICAL SECTIONS**  
PROJECT CM-00SW(4)  
COUNTY FULTON  
DATE SH 1 OF 1



# HBR SIDEWALK ~ REVISED CONCEPT



FEDERAL ROUTE \* N/A

STATE ROUTE \* 92

P. I. NO. 770933

MIDPOINT

STATION 25+00.00

N 1463769.80

E 224713.76

1 DIST. 2ND SEC.

G.M.D. 1



2N

ION

0

ROSWELL

RIVERWOOD LANE

HOLCOMB BRIDGE ROAD

BIG CREEK

OLD DOGWOOD ROAD

RAMP C

GA 400

40+00

30+00

25+00

20+00

15+00

10+00

5+00

0+00

L.L. 526

L.L. 538

L.L. 539

L.L. 538

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BEGIN BRIDGE

STA. 20+04.27 CONST. CL.

STA. 81+89.00 BRIDGE CL

0.03' LT.

END BRIDGE

STA. 22+34.27 CONST. CL.

STA. 84+19.00 BRIDGE CL

0.29' LT.

RAMP D

L.L. 566

L.L. 565

L.L. 565

L.L. 565

L.L. 565

L.L. 565

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END PROJECT

STATION 36+60.

MILE POST 8.20

END R/W ACQU

STATION 36+2

LEGEND

EXISTING SIDEWALK

PROPOSED SIDEWALK



SCALE: 1" = 300'

Holcomb Bridge Sidewalk w/ sidewalk on south side of roadway

ITEM	DESCRIPTION	UNITS	PRICE PER UNIT	QUANTITY	COST
ROADWAY ITEMS					
150-1000	TRAFFIC CONTROL -	LS	\$44,000.00	1	\$44,000.00
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	\$1.61	470	\$756.70
165-0020	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	LF	\$2.00	1923	\$3,846.00
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	\$2.05	280	\$574.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	\$2.46	940	\$2,312.40
171-0020	TEMPORARY SILT FENCE, TYPE B	LF	\$2.46	3845	\$9,458.70
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	\$4.08	560	\$2,284.80
210-0100	GRADING COMPLETE -	LS	\$50,000.00	0.439	\$21,950.00
400-3101	ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL,	TN	\$100.00	84	\$8,400.00
441-0104	CONC SIDEWALK, 4 IN	SY	\$70.00	1693	\$118,510.00
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	\$32.00	112	\$3,584.00
441-6012	CONC CURB & GUTTER, 6 IN X 24 IN, TP 2	LF	\$32.00	1079	\$34,528.00
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	\$586.00	114	\$66,804.00
515-2015	GALV STEEL PIPE HANDRAIL -	LF	\$40.53	446	\$18,076.38
610-1055	REM GUARDRAIL	LF	\$2.87	1000	\$2,870.00
633-3500	REMOUNT UNMODIFIED HWY SIGN, SPCL ROADSIDE	EA	\$872.00	22	\$19,184.00
634-1200	RIGHT OF WAY MARKER	EA	\$111.00	24	\$2,664.00
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	\$17.97	13	\$233.61
636-2020	GALV STEEL POSTS, TP 2	LF	\$4.35	36	\$156.60
641-1100	GUARDRAIL, TP T	LF	\$56.49	459	\$25,928.91
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$691.00	1	\$691.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,940.00	1	\$1,940.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	\$4.97	232	\$1,153.04
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	\$2.22	3690	\$8,191.80
656-0080	REMOVE EXIST SOLID TRAF STRIPE, 8 IN, THERMOPLASTIC	LF	\$1.27	1198	\$1,521.46
656-0240	REMOVE EXIST SOLID TRAF STRIPE, 24 IN, THERMOPLASTIC	LF	\$2.86	351	\$1,003.86
668-1100	CATCH BASIN, GP 1	EA	\$2,200.00	1	\$2,200.00
700-7000	AGRICULTURAL LIME	TN	\$69.00	1	\$69.00
700-7010	LIQUID LIME	GL	\$23.43	3	\$70.29
700-8000	FERTILIZER MIXED GRADE	TN	\$324.00	1	\$324.00
700-8100	FERTILIZER NITROGEN CONTENT	LB	\$3.08	84	\$258.72
700-9100	BLOCK SOD	SY	\$10.00	3388	\$33,880.00
SECTION SUBTOTAL					\$437,425.27
BRIDGE ITEMS					
211-0300	BRIDGE EXCAVATION, STREAM CROSSING	CY	\$40.16	44.8	\$1,799.17
500-1006	SUPERSTR CONCRETE, CL AA, BR NO -	LS	\$1,122.00	65.3	\$73,266.60
500-3101	CLASS A CONCRETE	CY	\$774.00	42	\$32,508.00
501-3000	STR STEEL, BR NO -	LS	\$2.72	69923	\$190,190.56
511-1000	BAR REINF STEEL	LB	\$1.65	9274.5	\$15,302.93
511-3000	SUPERSTR REINF STEEL, BR NO -	LS	\$5.02	13661	\$68,578.22
516-1100	ALUM HANDRAIL, STD 3626	LF	\$82.95	230	\$19,078.50
520-0573	H-PILE POINTS, HP 14 X 73	EA	\$195.00	12	\$2,340.00
520-1147	PILING IN PLACE, STEEL H, HP 14 X 73	LF	\$61.41	156.5	\$9,610.67
520-5000	PILOT HOLES	LF	\$576.00	48	\$27,648.00
525-1000	COFFERDAM	EA	\$18,128.77	1	\$18,128.77
540-1202	REMOVAL OF PARTS OF EXISTING BRIDGE, BR NO -	LS	\$44,721.76	1	\$44,721.76
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$54.41	949.5	\$51,662.30
603-7000	PLASTIC FILTER FABRIC	SY	\$5.36	884	\$4,738.24
SECTION SUBTOTAL					\$559,573.70
UTILITY ITEMS					
610-6575	REM HYDRANT	EA	\$1,320.00	4	\$5,280.00
611-5460	RESET WATER HYDRANT	EA	\$1,320.00	4	\$5,280.00
611-8050	ADJUST MANHOLE TO GRADE	EA	\$800.00	3	\$2,400.00
611-8120	ADJUST WATER METER BOX TO GRADE	EA	\$330.00	5	\$1,650.00
611-8140	ADJUST WATER VALVE BOX TO GRADE	EA	\$550.00	10	\$5,500.00
SECTION SUBTOTAL					\$20,110.00
TOTAL PROJECT COST					\$1,017,108.97
E&C		Year	4%	1	\$40,684.36
TOTAL PROJECT COST					\$1,057,793.33